

WHAT IS CLAIMED IS:

Sub A³

1. A method for protecting disc copy comprising the steps of:
detecting an identifier of a disc to be reproduced; and
determining if a disc copy is permitted or not using copy protection disc
information and the identifier.
2. A method of claim 1 wherein the copy protection disc information
comprises only the disc identifier or one of copy speed information and track
information as well as the identifier.
3. A method of claim 1 wherein the identifier is track information stored
in the disc.
4. A method of claim 1 wherein the identifier comprises track numbers
and addresses stored in the disc.
5. A method of claim 1 wherein the identifier comprises an Nth track
number (NT(N)), a starting address (StAdd(N)) of Nth track, an N+M(M 0)th
track number (NT(N+M)), a starting address (StAdd(N+M)) of (N+M)th track, an
N+P(P M, P 0)th track number (NT(N+P)), and a starting address
(StAdd(N+P)) of (N+P)th track.
6. A method of claim 1 wherein the disc copy permission is determined
according to a copy speed as well as the identifier.
7. A method of claim 1 wherein the disc copy permission is determined
according to track information as well as the identifier.
8. A method of claim 7 wherein the track information is track numbers or
number of tracks.
9. A method of claim 1 wherein a copy-protection disc information is

created and stored if the disc copy is permitted.

10. A method of claim 9 wherein the copy-protection disc information comprises an identifier or one of copy speed information and track information as well as the identifier.

5 18 11. A method of claim 9 wherein the copy-protection disc information is created and stored in case when the copy is completed, number of tracks is greater than a predetermined threshold value, or a copy speed is faster than a predetermined threshold speed.

10 11 12. A method of claim 10 wherein the track information is track numbers or number of tracks.

Sub 24 13. A method for creating copy-protection disc information comprising the steps of:

detecting track information from a disc; and

15 creating and saving a unique identifier of the disc for distinguishing the disc from other discs.

14. A method of claim 13 wherein the identifier comprises track numbers and track addresses.

15. A method of claim 14 wherein the identifier comprises an Nth track number (NT(N)), a starting address (StAdd(N)) of Nth track, an N+M(M 0)th track number (NT(N+M)), a starting address (StAdd(N+M)) of (N+M)th track, an N+P(P M, P 0)th track number (NT(N+P)), and a starting address (StAdd(N+P)) of (N+P)th track.

Sub 25 16. A recording/reproducing apparatus having a disc copy-protection function comprising:

a reproducing drive for reading data from a disc;
a recording drive for writing data on other disc;
storage means for storing a copy-protection disc information for judging
whether a disc copy is permitted or not; and

5 control means for controlling a disc copy from the disc in the
reproducing drive to the other disc in the recording drive.

17. A recording/reproducing apparatus of claim 16 wherein the copy-
protection disc information comprises track numbers and track addresses read
from the disc in the reproducing drive.

10 18. A recording/reproducing apparatus of claim 17 wherein the copy-
protection disc information comprises an Nth track number (NT(N)), a starting
address (StAdd(N)) of Nth track, an N+M(M 0)th track number (NT(N+M)), a
starting address (StAdd(N+M)) of (N+M)th track, an N+P(P M, P 0)th track
number (NT(N+P)), and a starting address (StAdd(N+P)) of (N+P)th track.

15 19. A recording/reproducing apparatus of claim 16 wherein the copy-
protection disc information further comprises copy speed information or number
of copied tracks.

20. A recording/reproducing apparatus of claim 16 wherein the storage
means is a nonvolatile memory or a volatile memory.

add a⁶ >